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PATENT

Attorney Docket No. 44222-194134

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application: **Joe N. Lucas, et al.** : Group Art Unit: **Not yet assigned**
: :
Application No.: **10/798,949** : Examiner: **Not yet assigned**
: :
Filing Date: **03/12/2004** : Priority date(s): **03/13/2003**
: :
Customer No.: **23973** : Confirmation No.: **9218**
: :
For: **METHODS OF MAKING REPETITIVE :**
SEQUENCES REMOVED PROBES :
AND USES THEREOF :

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §1.56 and in accordance with 37 C.F.R. §§1.97-1.98,
submitted herewith are copies of the references listed in the accompanying Form PTO-1449.

CERTIFICATE OF MAILING UNDER 37 C.F.R. 1.8(a)	
I hereby certify that this paper, along with any paper referred to as being attached or enclosed, is being deposited with the United States Postal Service on the date indicated below, with sufficient postage, as first class mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450	
BY	<u><i>Luella Goodle</i></u>
DATE	<u>07.30.2004</u>

The Examiner is respectfully requested to review the items listed on the attached form and make them of record in the instant application as required by M.P.E.P. §609. It is requested that the Examiner initial the enclosed duplicate Form 1449, and return one copy to the undersigned.

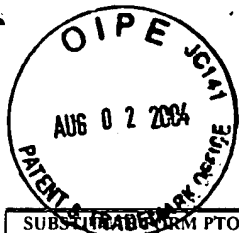
This statement should not be construed as a representation that the cited references are material or that more relevant prior art does not exist.

This statement is being submitted before receipt of any office action on the merits. Thus, no fee is due for the filing of this paper. However, if a fee is due, please charge deposit account 50-0573.

Respectfully submitted,
Joe N. Lucas, *et al.*

By: 

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SHEET 1 OF 2

SUBSTITUTE FORM PTO-1449 INFORMATION DISCLOSURE CITATION	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 44222-194134	U.S. SERIAL NO. 10/798,949
	FIRST NAMED APPLICANT Joe N. Lucas		
	FILING DATE: 03/12/2004	GROUP ART UNIT: Not Yet Assigned	

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AA	Bao-Tram, N., Lazzari, K., Abebe, J., Mac, I., Lin, J.B., Chang, A., Wydner, K.L., Lawrence, J.B., Cram, L.S., Weier, H-U., Weaver, J.C., and Bradley, D.W. <i>In situ</i> hybridization to chromosomes stabilized in gel microdrops. <i>Cytometry</i> , 21:111-119 (1995).
AB	Chen, Z., Meloni-Ehrig, A., Palumbos, J.C., Guan, X.Y., Carroll, K.L., Dent, K.M., Carey, J.C., Pure Trisomy 10p Resulting From an Extra Ring Chromosome: characterization by methods of advanced molecular cytogenetics. <i>Am. J. Med Genet.</i> , 102:379-382 (2001).
AC	Craig, J.M., Kraus, J., Cremer, T., Removal of repetitive sequences from FISH probes using PCR-assisted affinity chromatography. <i>Human Genetics</i> , 100:472-476 (1997).
AD	Dudin, G., Cremer, T., Schardin, M., Hausmann, M., Bier F. and Cremer, C., A method for nucleic acid hybridization to isolated chromosomes in suspension. <i>Human Genetics</i> , 76:290-292 (1987)..
AE	Dudin, G., Steegmayer, E.W., Vogt, P., Schnitzer, H., Diaz, E., Howell, K.E., Cremer, T. and Cremer, C., Sorting of chromosomes by magnetic separation. <i>Human Genetics</i> , 80:111-116 (1988).
AF	Durm, M., Schussler, L., Munch, H., Craig, J., Ludwig, H., Hausmann, M., Cremer, C., Fast-painting of human metaphase spreads using a chromosome-specific, repeat-depleted DNA library probe. <i>Biotechniques</i> , 24:820-825 (1998).
AG	Guan, <i>et al.</i> , Rapid generation of whole chromosome painting probes (WCPs) by chromosome microdissection, <i>Genomics</i> , 22:101-107 (1994).
AH	Guan, <i>et al.</i> , Chromosome arm painting probes (CAPs), <i>Nature Genet</i> 12:10-11 (1996).
AI	Guan <i>et al.</i> , DNA sequence amplification in human prostate cancer identified by chromosome microdissection: potential prognostic implications <i>Clinic Cancer Res.</i> , 1:11-18 (1995).
AJ	He, H., Deng, W., Cassel, M.J., Lucas, J.N., Fluorescence <i>in situ</i> hybridization of metaphase chromosomes in suspension. <i>International Journal of Radiation Biology</i> , Vol. 77(7):787-795 (2001).
AK	Kraus, M., Hausmann, M., Hartig, R., Durm, M., Haar, F-M. and Cremer, C., Non-encymatic, low temperature <i>in situ</i> hybridization of metaphase chromosomes for magnetic labelling and sorting. <i>Experimental Technique of Physics Experimentelle Technik der Physik</i> , 41(1):139-153 (1995).
AL	Lichter, P., Cremer, T., Tang, C.-J.C., Watkins, P.C., Manuelidis, L., Ward, D.C., Rapid detection of human chromosome 21 aberrations by <i>in situ</i> hybridization. <i>PNAS USA</i> , 85:9664-9668 (1988).

EXAMINER	DATE CONSIDERED
EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

SUBSTITUTE FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 44222-194134	U.S. SERIAL NO. 10/798,949
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AM	Lucas, J.N., Swansbury, G., Clutterbuck, R., Hill, F., Burk, C., and Straume, T., Discrimination between leukaemia and non-leukaemia-related chromosomal abnormalities in the patient's lymphocytes. <i>International Journal of Radiation Biology</i> , 66(4):385-389 (1994)..
	AN	Pinkel, D., Landegent, J., Collins, C., Fuscoe, J., Segraves, R., Lucas, J., Gray, J. Fluorescence <i>in situ</i> hybridization with human chromosome-specific libraries: detection of trisomy 21 and translocations of chromosome 4. <i>PNAS USA</i> , 85:9138-9142 (1988).
	AO	Rabbitts, T.H. Chromosomal translocations in human cancer, <i>Nature</i> , 372(10):143-149 (1994).
	AP	Solomon, E., Borrow, J. and Goddard, A.D., Chromosome aberrations and cancer, <i>Science</i> , 254:1153-1159 (1991).
	AQ	Sandberg, A.A., Chen, Z. (1995): <i>Cytogenetics of Acute Leukemia</i> . In: <i>Neoplastic Diseases of the Blood</i> , 3 rd ed. Wiernik P.H., Canellos G.P., Dutcher J.P., Kyle R.A., eds. Churchill Livingstone
	AR	Sandberg, A.A., Chen, Z. (2000): FISH Analysis. In: <i>Methods in Molecular Medicine, Vol. 55: Hematologic Malignancies: Methods and Techniques</i> , Faquet GB, eds. Humana Press, Inc.
	AS	Yunis, J.J., The chromosome basis of human neoplasia. <i>Science</i> , 221:227-236 (1983).
	AT	Mitelman, F., Kaneko, Y., and Trent, J., Human Gene Mapping, <i>Cytogenetic Cell Genet</i> , 58:1053-1079 (1991).
	AU	Frezal <i>et al.</i> , Human Gene Mapping II, <i>Cytogenetic Cell Genet</i> , 58:986-1052 (1991)
	AV	Yunis, J.J., Ramsay, N., Retinoblastoma and Subband Deletion of Chromosome 13, <i>Am. J. Dis. Child.</i> 132:161-163 (1978)
	AW	Wu, H., Durante, M., Lucas, J.N., Relationship between radiation-induced aberrations in individual chromosomes and their DNA content: effects of interaction distance, <i>International Journal of Radiation Biology</i> , Vol. 77(7):781-786 (2001).
	AX	Zech, L., Haglund, U., Nilsson, K., and Klein, G., Characteristic Chromosomal Abnormalities in Biopsies and Lymphoid-Cell Lines From Patients With Burkitt and Non-Burkitt Lymphomas., <i>Int. J. Cancer</i> 17:47-56 (1976).
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